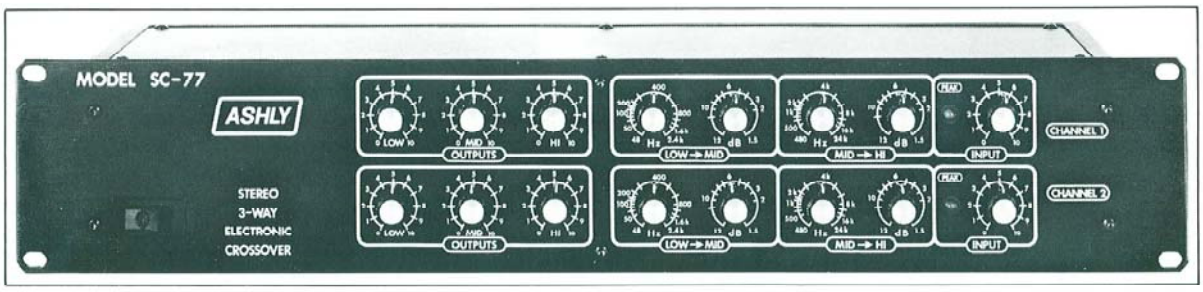
ASHLY AUDIO, INC.

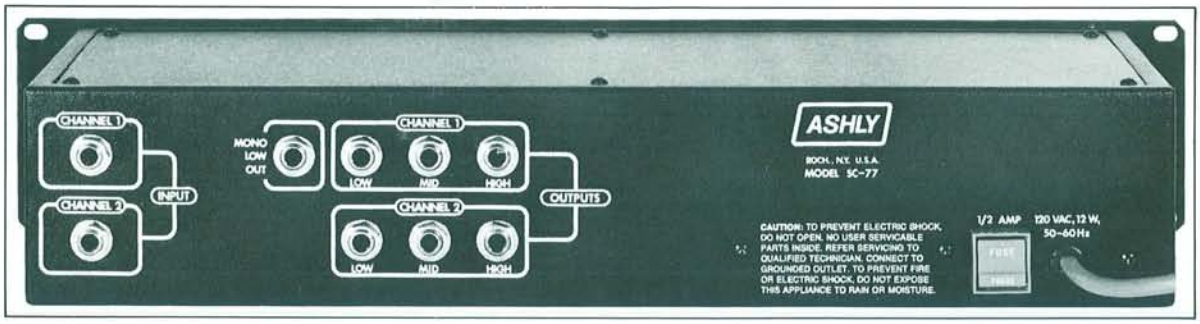
SC77 STEREO 3-WAY ELECTRONIC CROSSOVER



The SC-77 Stereo Three-Way Electronic Crossover is designed to fill the needs of modern high power sound systems. Crossover points and rolloff are continuously adjustable and individual output stages with wide range gain adjustments will drive long cable runs and accurately match any power amplifiers.

FEATURES:

- 12 dB per octave slopes
- Logical control layout
- Both the inputs and outputs can be used balanced or unbalanced
- Flat summing
- Rugged 16 gauge steel chassis
- Peak overload warning lights
- In-phase outputs
- Our exclusive rolloff control to flatten frequency response at the crossover point
- Optional 5-way mono operation

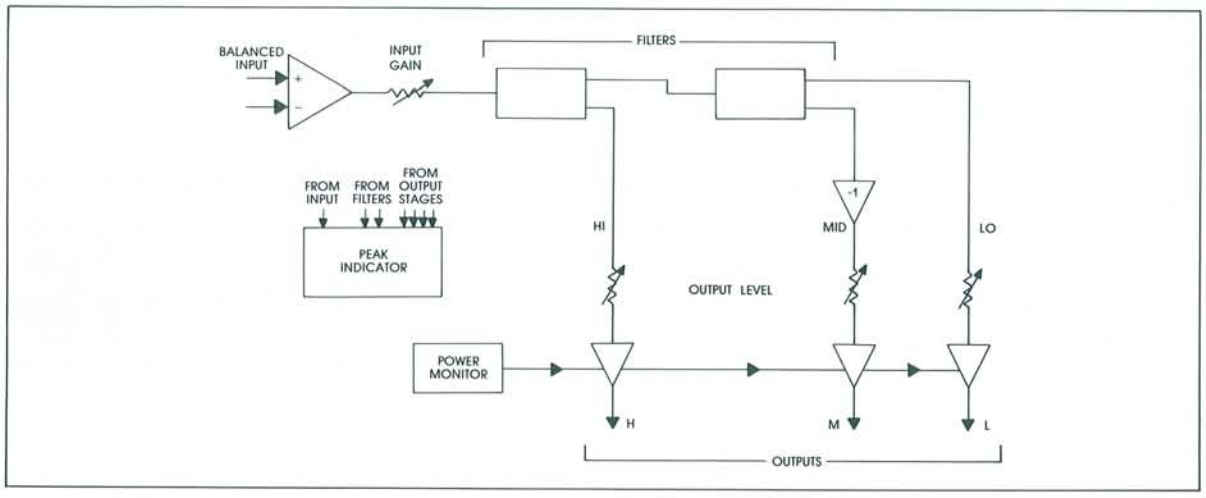


The SC-77 uses state variable filter circuits to perform the frequency divisions. These filters provide simultaneous low-pass and high-pass outputs. Two filters are cascaded for three-way operation. Inverters are included on the mid outputs to keep everything in-phase. A "Q" adjustment (called rolloff) is included for adjustment of frequency response in the crossover region. This allows flat summing and in-phase outputs.

The output stages have a wide range gain adjustment with a special feedback level control circuit to maintain an optimum signal-to-noise ratio at any setting.

A special electronic power monitor for the output stages prevents turn-on transients without the use of relays.

Both inputs and outputs can be used as balanced or unbalanced and a peak overload circuit monitors all critical points in the circuit to insure low-distortion operation.



SPECIFICATIONS:

CONTROLS	
Input level	- ∞ - +10dB
crossover frequencies	48Hz-2.4kHz 480Hz-24kHz
rolloff (crossover point depth)	1.5dB-12dB
output level	- ∞ - +20dB
INPUT IMPEDANCE	10kΩ balanced bridging
OUTPUT IMPEDANCE	50 Ω unbalanced - terminate with 600Ω or more. Turn on transient protected.
MAX. IN-OUT LEVEL	+20dBm
FREQUENCY RESPONSE	±.5dB 20Hz-20kHz (within passband)
DISTORTION	< .05% THD, +10dBV 20Hz-20kHz
HUM AND NOISE (all outputs)	-90dBV input and all outputs unity gain, frequency and rolloff at center rotation.
POWER	120 VAC, 50-60Hz, 5W
SIZE	19"L x 3 1/2"H x 6"D
SHIPPING WEIGHT	10 lbs.